



IFWO

RAW SEQUENCE LISTING

DATE: 08/23/2004

PATENT APPLICATION: US/10/813,549

TIME: 11:14:08

Input Set : A:\16743-004001.ST25.txt

Output Set: N:\CRF4\08232004\J813549.raw

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4 <110> APPLICANT: Liao, You-Di
6 <120> TITLE OF INVENTION: Removal of N-terminal Methionine From Proteins by
7   Engineered Methionine Aminopeptidase
9 <130> FILE REFERENCE: 16743-004001
11 <140> CURRENT APPLICATION NUMBER: US 10/813,549
12 <141> CURRENT FILING DATE: 2004-03-29
14 <160> NUMBER OF SEQ ID NOS: 21
16 <170> SOFTWARE: FastSEQ for Windows Version 4.0
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 264
20 <212> TYPE: PRT
21 <213> ORGANISM: Escherichia coli
23 <400> SEQUENCE: 1
24 Met Ala Ile Ser Ile Lys Thr Pro Glu Asp Ile Glu Lys Met Arg Val
25   1             5             10             15
26 Ala Gly Arg Leu Ala Ala Glu Val Leu Glu Met Ile Glu Pro Tyr Val
27             20             25             30
28 Lys Pro Gly Val Ser Thr Gly Glu Leu Asp Arg Ile Cys Asn Asp Tyr
29             35             40             45
30 Ile Val Asn Glu Gln His Ala Val Ser Ala Cys Leu Gly Tyr His Gly
31             50             55             60
32 Tyr Pro Lys Ser Val Cys Ile Ser Ile Asn Glu Val Val Cys His Gly
33 65             70             75             80
34 Ile Pro Asp Asp Ala Lys Leu Leu Lys Asp Gly Asp Ile Val Asn Ile
35             85             90             95
36 Asp Val Thr Val Ile Lys Asp Gly Phe His Gly Asp Thr Ser Lys Met
37             100            105            110
38 Phe Ile Val Gly Lys Pro Thr Ile Met Gly Glu Arg Leu Cys Arg Ile
39             115            120            125
40 Thr Gln Glu Ser Leu Tyr Leu Ala Leu Arg Met Val Lys Pro Gly Ile
41             130            135            140
42 Asn Leu Arg Glu Ile Gly Ala Ala Ile Gln Lys Phe Val Glu Ala Glu
43 145            150            155            160
44 Gly Phe Ser Val Val Arg Glu Tyr Cys Gly His Gly Ile Gly Arg Gly
45             165            170            175
46 Phe His Glu Glu Pro Gln Val Leu His Tyr Asp Ser Arg Glu Thr Asn
47             180            185            190
48 Val Val Leu Lys Pro Gly Met Thr Phe Thr Ile Glu Pro Met Val Asn
49             195            200            205
50 Ala Gly Lys Lys Glu Ile Arg Thr Met Lys Asp Gly Trp Thr Val Lys
51             210            215            220
52 Thr Lys Asp Arg Ser Leu Ser Ala Gln Tyr Glu His Thr Ile Val Val
53 225            230            235            240

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54 Thr Asp Asn Gly Cys Glu Ile Leu Thr Leu Arg Lys Asp Asp Thr Ile
55           245                      250                      255
56 Pro Ala Ile Ile Ser His Asp Glu
57           260
60 <210> SEQ ID NO: 2
61 <211> LENGTH: 30
62 <212> TYPE: DNA
63 <213> ORGANISM: Artificial Sequence
65 <220> FEATURE:
66 <223> OTHER INFORMATION: primer
68 <400> SEQUENCE: 2
69 cgccggagctc gatccccgca aattaatacg                      30
71 <210> SEQ ID NO: 3
72 <211> LENGTH: 57
73 <212> TYPE: DNA
74 <213> ORGANISM: Artificial Sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: primer
79 <400> SEQUENCE: 3
80 cttgattgag atagccatta tctccttctt aaagttaaac aaaattatatt ctagagg      57
82 <210> SEQ ID NO: 4
83 <211> LENGTH: 33
84 <212> TYPE: DNA
85 <213> ORGANISM: Artificial Sequence
87 <220> FEATURE:
88 <223> OTHER INFORMATION: primer
90 <400> SEQUENCE: 4
91 ccggaagctt ttattcgtcg tgcgagatta tgc                      33
93 <210> SEQ ID NO: 5
94 <211> LENGTH: 12
95 <212> TYPE: PRT
96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: synthetic oligopeptide
101 <400> SEQUENCE: 5
102 Met Ala Asp Trp Leu Thr Phe Gln Lys Lys His Ile
103 1           5                      10
106 <210> SEQ ID NO: 6
107 <211> LENGTH: 12
108 <212> TYPE: PRT
109 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: synthetic oligopeptide
114 <400> SEQUENCE: 6
115 Met Gln Asp Trp Leu Thr Phe Gln Lys Lys His Ile
116 1           5                      10
119 <210> SEQ ID NO: 7
120 <211> LENGTH: 4
121 <212> TYPE: PRT

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122 <213> ORGANISM: Artificial Sequence
124 <220> FEATURE:
125 <223> OTHER INFORMATION: synthetic oligopeptide
127 <400> SEQUENCE: 7
128 Met Ala Asp Tyr
129 1
132 <210> SEQ ID NO: 8
133 <211> LENGTH: 6
134 <212> TYPE: PRT
135 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: synthetic oligopeptide
140 <400> SEQUENCE: 8
141 Met Ala Asp Tyr Leu Thr
142 1 5
145 <210> SEQ ID NO: 9
146 <211> LENGTH: 6
147 <212> TYPE: PRT
148 <213> ORGANISM: Artificial Sequence
150 <220> FEATURE:
151 <223> OTHER INFORMATION: synthetic oligopeptide
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154 Met Gln Asp Tyr Leu Thr
155 1 5
158 <210> SEQ ID NO: 10
159 <211> LENGTH: 5
160 <212> TYPE: PRT
161 <213> ORGANISM: Escherichia coli
163 <400> SEQUENCE: 10
164 Met Gln Asp Trp Leu
165 1 5
168 <210> SEQ ID NO: 11
169 <211> LENGTH: 5
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171 <213> ORGANISM: Escherichia coli
173 <400> SEQUENCE: 11
174 Met Gln Asp Trp Glu
175 1 5
178 <210> SEQ ID NO: 12
179 <211> LENGTH: 5
180 <212> TYPE: PRT
181 <213> ORGANISM: Escherichia coli
183 <400> SEQUENCE: 12
184 Met Gln Asp Trp Asp
185 1 5
188 <210> SEQ ID NO: 13
189 <211> LENGTH: 5
190 <212> TYPE: PRT
191 <213> ORGANISM: Escherichia coli

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Input Set : A:\16743-004001.ST25.txt

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193 <400> SEQUENCE: 13
194 Met Gln Asp Trp Ala
195 1 5
198 <210> SEQ ID NO: 14
199 <211> LENGTH: 5
200 <212> TYPE: PRT
201 <213> ORGANISM: Escherichia coli
203 <400> SEQUENCE: 14
204 Met Gln Ala Trp Ala
205 1 5
208 <210> SEQ ID NO: 15
209 <211> LENGTH: 5
210 <212> TYPE: PRT
211 <213> ORGANISM: Escherichia coli
213 <400> SEQUENCE: 15
214 Met Ala Ala Trp Ala
215 1 5
218 <210> SEQ ID NO: 16
219 <211> LENGTH: 5
220 <212> TYPE: PRT
221 <213> ORGANISM: Escherichia coli
223 <400> SEQUENCE: 16
224 Met Ala Pro Trp Ala
225 1 5
228 <210> SEQ ID NO: 17
229 <211> LENGTH: 5
230 <212> TYPE: PRT
231 <213> ORGANISM: Escherichia coli
233 <400> SEQUENCE: 17
234 Met Gln Asn Trp Glu
235 1 5
238 <210> SEQ ID NO: 18
239 <211> LENGTH: 5
240 <212> TYPE: PRT
241 <213> ORGANISM: Escherichia coli
243 <400> SEQUENCE: 18
244 Met Gln Asn Trp Ala
245 1 5
248 <210> SEQ ID NO: 19
249 <211> LENGTH: 5
250 <212> TYPE: PRT
251 <213> ORGANISM: Escherichia coli
253 <400> SEQUENCE: 19
254 Met Gln Asp Trp Ala
255 1 5
258 <210> SEQ ID NO: 20
259 <211> LENGTH: 5
260 <212> TYPE: PRT
261 <213> ORGANISM: Escherichia coli

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Input Set : A:\16743-004001.ST25.txt

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263 <400> SEQUENCE: 20
264 Met Leu Ala Gly Ala
265 1 5
268 <210> SEQ ID NO: 21
269 <211> LENGTH: 5
270 <212> TYPE: PRT
271 <213> ORGANISM: Escherichia coli
273 <400> SEQUENCE: 21
274 Met Gln Asp Ile Leu
275 1 5

VERIFICATION SUMMARY

DATE: 08/23/2004

PATENT APPLICATION: US/10/813,549

TIME: 11:14:09

Input Set : A:\16743-004001.ST25.txt

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